

# External Awards

## Activity Contribution Award

**Winner:** Jun Terada, NTT Device Technology Laboratories and NTT Device Innovation Center

**Date:** March 11, 2021

**Organization:** The Institute of Electronics, Information and Communication Engineers (IEICE) Electronics Society

For his contribution as a director of general affairs in Electronics Society.

## IPJS Journal Specially Selected Paper

**Winners:** Masamichi Hosoda, NTT Smart Data Science Center/NTT Service Evolution Laboratories; Hiroshi Sakamoto and Tomoki Murakami, NTT Access Network Service Systems Laboratories; Tadashi Mouri, NTT Service Evolution Laboratories; Akira Nakayama, NTT Research and Development Planning Department; Tomoaki Ogawa, NTT Access Network Service Systems Laboratories; Masaru Miyamoto, NTT Smart Data Science Center/NTT Service Evolution Laboratories

**Date:** March 15, 2021

**Organization:** Information Processing Society of Japan (IPJS)

For “2D Position Estimation for Wireless LAN Terminals by the Access Point Using Distributed Antenna System.”

**Published as:** M. Hosoda, H. Sakamoto, T. Murakami, T. Mouri, A. Nakayama, T. Ogawa, and M. Miyamoto, “2D Position Estimation for Wireless LAN Terminals by the Access Point Using Distributed Antenna System,” IPJS Journal, Vol. 62, No. 3, pp. 946–958, Mar. 2021.

## Research Encouragement Award

**Winner:** Hiraku Toida, NTT Basic Research Laboratories

**Date:** March 16, 2021

**Organization:** Superconductivity Division of the Japan Society of Applied Physics

For “Electron Paramagnetic Resonance Spectroscopy Using a Single Artificial Atom.”

**Published as:** H. Toida, Y. Matsuzaki, K. Kakuyanagi, X. Zhu, W. J. Munro, H. Yamaguchi, and S. Saito, “Electron Paramagnetic Resonance Spectroscopy Using a Single Artificial Atom,” Commun. Phys., Vol. 2, 33, Mar. 2019.

## Young Researcher Best Presentation Award

**Winner:** Kosuke Takiguchi, NTT Basic Research Laboratories

**Date:** March 16, 2021

**Organization:** The 49th Autumn Meeting of the Japan Society of Applied Physics

For “Quantum Transport Evidence of Weyl Fermions in an Epi-

taxial Ferromagnetic Oxide.”

**Published as:** K. Takiguchi, Y. K. Wakabayashi, H. Irie, Y. Krockenberger, T. Otsuka, H. Sawada, S. A. Nikolaev, H. Das, M. Tanaka, Y. Taniyasu, and H. Yamamoto, “Quantum Transport Evidence of Weyl Fermions in an Epitaxial Ferromagnetic Oxide,” Nat. Commun., Vol. 11, 4969, Oct. 2020.

## IEEE SSCS Japan Industry Contribution Award

**Winner:** Jun Terada, NTT Device Technology Laboratories and NTT Device Innovation Center

**Date:** March 17, 2021

**Organization:** IEEE Solid-State Circuits Society Japan/Kansai Chapter

For his contribution to activities of the Solid-State Circuits Society Japan in promoting outstanding papers written by researchers in the corporate sector in the International Solid-State Circuits Conference.

## The Commendation for Science and Technology by the Minister of Education, Culture, Sports, Science and Technology, Prize for Science and Technology (Development Category)

**Winners:** Hiroyuki Oto and Shinya Hasegawa, NTT DOCOMO; Yasuyuki Uchiyama, DOCOMO Technology; Kazuaki Obana, NTT Smart Data Science Center; Yoshihiro Nakajima, NTT DOCOMO

**Date:** April 14, 2021

**Organization:** Ministry of Education, Culture, Sports, Science and Technology

For the commercial deployment of network functions virtualization technology enabling inter-operability with multi-vendor solutions.

## ITU-AJ Encouragement Award

**Winner:** Taiji Sakamoto, NTT Access Network Service Systems Laboratories

**Date:** May 17, 2021

**Organization:** The ITU Association of Japan

Dr. Sakamoto promoted the development of high-speed optical fiber and submarine optical communication systems under Questions 5 and 8 in ITU-T Study Group 15. He has submitted more than 30 contributions to enable Japanese technologies to be reflected in international standards and led the drafting of three ITU-T Recommendations as the editor. His contributions are especially noteworthy in recommending G.654.E (High Speed Long-Haul Optical Fiber) and incorporating Japan’s technology into the recommendation. He is expected to continue to play an important role in international standardization activities in the future.